

ABSTRACT OF THE DISCLOSURE

Polymer derivatives based upon polyalkyleneimine backbones having from about 20% to about 60% of their reactive amino functionalities substituted by C₁₄-20 carboxylic acids, are disclosed. Fiber lubricants and/or sizing compositions comprising such polymer derivatives are also disclosed. The disclosed fiber lubricants exhibit excellent affinity for fiberglass fibers and have excellent hydrophobicity, while also providing excellent lubrication. Methods for preparing said derivatives are also disclosed. Also disclosed are methods for treating fibers using the polymer derivatives.

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